



Sheet 1 of 1

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

1572.1178

APPLICATION NO.

10/702,503

# INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

FIRST NAMED INVENTOR

Seon-woo LIM

FILING DATE

November 7, 2003

GROUP ART UNIT

~~2614~~ 2622

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
/P.N./	AA	7,011,416	03/14/2006	Cho et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
	AO						
	AP						
	AQ						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						
	BJ						

EXAMINER

/Paulos Natnael/

DATE CONSIDERED

06/10/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Sheet 1 of 1

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 1572.1178	APPLICATION NO. 10/702,503
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)		FIRST NAMED INVENTOR Seon-woo LIM	
		FILING DATE November 7, 2003	GROUP ART UNIT 2614 2622

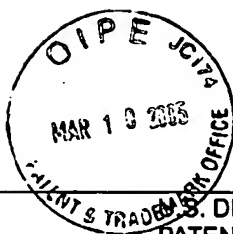
**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
/P.N./	AA	6,833,880	12/2004	Chen			
	AB	4,701,801	10/1987	Hobbins			
	AC	6,412,952	07/2002	Jung			
	AD	2002/24639	02/2002	Jung			
	AE	5,808,704	09/1998	Yoshikawa			
	AF	5,559,564	09/1996	Nomura			
	AG	6,616,283	09/2003	Takano			
	AH	4,394,681	07/1983	Rowe			
	AI	6,545,729	04/2003	Lowe			
	AJ	2002/36722	03/28/2002	Hori			
	AK	6,661,473	12/2003	Teshima			
	AL	4,707,746	11/1987	Nishikawa			
	AM	6,688,713	02/2004	Lowe			
	AN	6,633,346	10/2003	Yamamoto			
	AO	5,590,943	01/1997	Yoshida			
	AP	5,582,473	12/1996	Toide			
	AQ	5,402,263	03/1995	Kita			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
/P.N./	BA	1340966	03/20/2002	China			X
	BB	1 137 276	09/06/2001	Europe			
	BC	8-138582	05/31/1996	Japan			X
	BD	10-42230	02/13/1998	Japan			X
	BE	2000-15059	07/25/2000	Korea		X	
	BF	2001-78002	08/20/2001	Korea		X	
	BG	2001-251968	10/12/2001	Korea		X	
	BH	2002-33867	05/08/2002	Korea		X	
	BI	10-370217	03/04/2002	Korea		X	
	BJ						

EXAMINER  /Paulos Natnael/	DATE CONSIDERED  06/10/2007
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Sheet 1 of 1

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

1572.1178

APPLICATION NO.

10/702,503

## LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

FIRST NAMED INVENTOR

Seon-woo LIM

FILING DATE

November 7, 2003

GROUP ART UNIT

~~2614~~ 2622

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
/P.N./	AA	4,643,493	2/1987	Sides, Sr. et al.			
	AB						
	AC						
	AD						
	AE						
	AF						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	ABSTRACT
/P.N./	AG	5-130540	5/1993	Japan			X
	AH						
	AI						
	AJ						
	AK						
	AL						

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AM	
	AN	

EXAMINER

/Paulos Natnael/

DATE CONSIDERED

06/10/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



## LIST OF COPENDING APPLICATIONS

ATTACHMENT 1(f)

ATTORNEY DOCKET NO.	APPLICATION NO.
«Our Reference»	10/702,503
FIRST NAMED INVENTOR	«Serial No»
«Inventor et al»	Seon-woo LIM
FILING DATE	GROUP ART UNIT
«Filing Date» 11/7/03	2622
	«Group Art Unit»

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR § 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided, UNLESS DOMESTIC PRIORITY IS CLAIMED THEREON UNDER 35 U.S.C. § 120 AND/OR THE APPLICATION IS PUBLISHED. 37 CFR § 1.98(a)(2)(II),(III) AND 1.98(3)(d)(1).

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialing same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

### U.S. PATENT APPLICATION DOCUMENTS

*EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE
/P.N./	1	2004/0090603 A1	5/2004	Cho et al.	
	2				
	3				
	4				
	5				
	6				
	7				
	8				

EXAMINER /Paulos Natnael/	DATE CONSIDERED 06/10/2007
*EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Sheet 1 of 1

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 1572.1178	APPLICATION NO. 10/702,503
LIST OF REFERENCES CITED BY APPLICANT  (Use several sheets if necessary)		FIRST NAMED INVENTOR Seon-woo LIM	
		FILING DATE November 7, 2003	GROUP ART UNIT <del>2614</del> 2622

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
/P.N./	AA	2004-41953-A1	3/4/2004	Sung-Soo Jung			
	AB						
	AC						
	AD						
	AE						
	AF						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
	AG							
	AH							
	AI							
	AJ							
	AK							
	AL							

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

/P.N./	AM	Office Action; July 22, 2004; Application No.: 10/652,209; Filing Date: September 2, 2003
	AN	

EXAMINER  /Paulos Natnael/	DATE CONSIDERED  06/10/2007
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

**ATTACHMENT 1(f)**

<b>LIST OF COPENDING APPLICATIONS</b>	ATTORNEY DOCKET NO.	APPLICATION NO.
	1572.1178	10/702,503
	FIRST NAMED INVENTOR	
	Seon-woo LIM	
	FILING DATE	GROUP ART UNIT
	November 7, 2003	2614 2622

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided.

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialing same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

**U.S. PATENT APPLICATION DOCUMENTS**

*EXAMINER INITIAL		U.S. PUBLICATION NO.	PUBLICATION DATE	NAME	ASSIGNEE
/P.N./	1	20040041953-A1	March 4, 2004	Sung-soo Jung	Samsung Electronics Co., Ltd.
	2				
	3				
	4				
	5				
	6				
	7				
	8				

<b>EXAMINER</b>  /Paulos Natnael/	<b>DATE CONSIDERED</b>  06/10/2007
<b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	